

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/006728

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ G01N33/50, G01N33/15, G01N33/68

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ G01N33/50, G01N33/15, G01N33/68

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

| | | | |
|---------------------------|-----------|----------------------------|-----------|
| Jitsuyo Shinan Koho | 1922-1996 | Jitsuyo Shinan Toroku Koho | 1996-2005 |
| Kokai Jitsuyo Shinan Koho | 1971-2005 | Toroku Jitsuyo Shinan Koho | 1994-2005 |

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

CA

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|--|----------------------------|
| X/Y | JP 2002-522747 A (The Regents of the University of California), 23 July, 2002 (23.07.02), Claims; Par. Nos. [0086] to [0101] & WO 1999/053295 A1 & EP 1071943 A | 1, 4, 21/2, 3, 5-13, 16-19 |
| Y | WO 2002/059150 A2 (THE UNIVERSITY COURT OF THE UNIVERSITY OF ABERDEEN), 01 August, 2002 (01.08.02), Claims; page 16, lines 31 to 33 & EP 1348029 A | 2, 3, 5-13, 16-19 |
| A | Edited by Hiroshi TERADA, "Kagaku to Seibutsu, Jikken Line 48, Tanpakushitsu to Kakusan no Bunri Seisei", Hirokawa Shoten, 15 June, 2001 (15.06.01), page 20, Sonicator (Choonpashoriki) | 6, 12 |

 Further documents are listed in the continuation of Box C. See patent family annex.

| | |
|---|--|
| * Special categories of cited documents: | "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention |
| "A" document defining the general state of the art which is not considered to be of particular relevance | "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone |
| "E" earlier application or patent but published on or after the international filing date | "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art |
| "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) | "&" document member of the same patent family |
| "O" document referring to an oral disclosure, use, exhibition or other means | |
| "P" document published prior to the international filing date but later than the priority date claimed | |

Date of the actual completion of the international search
19 May, 2005 (19.05.05)Date of mailing of the international search report
07 June, 2005 (07.06.05)Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

INTERNATIONAL SEARCH REPORT

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PCT/JP2005/006728

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|---|-----------------------|
| X | Kenjiro ONO et al., Potent anti-amyloidogenic and fibril-destabilizing effects of polyphenols in vitro: implications for the prevention and therapeutics of Alzheimer's disease. J.Neurochem. 2003, Vol.87, pages 172 to 181, Abstract | 17 |
| X | Kenjiro ONO et al., Curcumin has potent anti-amyloidogenic effects for Alzheimer's beta-amyloid fibrils in vitro. J.Neurosci.Res., 15 March, 2004 (15.03.04), Vol.75(6), pages 742 to 750, Abstract | 17 |
| X | JP 2003-199760 A (Hitachi Medical Corp.), 15 July, 2003 (15.07.03), Claims (Family: none) | 20 |
| A | JP 2002-536963 A (MYRIAD GENETICS, INC.), 05 November, 2002 (05.11.02), & WO 2000/037483 A1 | 1-4 |
| A | JP 2003-325516 A (Hitachi Medical Corp.), 18 November, 2003 (18.11.03), (Family: none) | 20 |

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Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.: 14, 15
because they relate to subject matter not required to be searched by this Authority, namely:
Claims 14 and 15 pertain to methods for treatment of the human body by therapy.
2. Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
 No protest accompanied the payment of additional search fees.

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<Subject of search>

Claim 16 relates to an elution promoter comprising, as the active ingredient, a compound obtained by a desired identification method of "capable of eliminating a peptide, an oligopeptide, a polypeptide or a protein from a fibril or an aggregate", while claims 18 and 19 relate to an elution method using this compound or utilization of this compound. Although claim 16 involves any compounds having the above property in its scope, it is recognized that only small part of the claimed compounds are disclosed in the meaning within PCT Article 5 and thus it is not supported by the disclosure in the description in the meaning within PCT Article 6.

Concerning "a compound capable of eliminating a peptide, an oligopeptide, a polypeptide or a protein from a fibril or an aggregate", the scope of such compounds cannot be specified even though the common technical knowledge at the point of the application is taken into consideration. Thus, claims 16, 18 and 19 do not comply with the requirement of clearness in the meaning within PCT Article 6 too.

Such being the case, the search concerning claims 16, 18 and 19 was made on the compounds specifically cited in the description and specified in claim 17. Complete search was made on other claims.

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